

General

Frequency Range: RX: 0.5 - 1.8 MHz (AM BC)
76 - 108 MHz (FM BC)
108-137 MHz (Air Band)
137-174 MHz (144 MHz HAM)
174-222 MHz (GR1 VHF TV)
300-420 MHz (GR2)
420-470 MHz (430 MHz HAM)
470-800 MHz (GR1 UHF TV)
800-999 MHz (GR2 USA Cellular Blocked)
TX: 2 m /70 cm Amateur Bands

Channel Steps: 5/6.25/8.33/(9)/10/12.5/15/20/25/50/100/200 kHz (9): AM Only

Emission Type: F3E, F2D

Antenna Impedance: 50 Ohms

Frequency Stability: ± 5 ppm @ 14. F $\sim +140^{\circ}$ F ($\pm 10^{\circ}$ C $\sim +60^{\circ}$ C)

Operating Temperature Range: $\pm 4^{\circ}$ F $\sim +140^{\circ}$ F ($\pm 20^{\circ}$ C $\sim +60^{\circ}$ C)

Supply Voltage: Nominal: 13.8 V DC, Negative Ground
Operating: 11.7 ~ 15.8 V, Negative Ground

Current Consumption: RX: 0.5 A (Receive)
(Approx.) 8.3 A / 6 A / 2A (TX, 2 m 50W / 20 W / 5 W)
8.5 A / 6 A / 2A (TX, 70 cm 40W / 20 W / 5 W)

Case Size (W x H x D): 4.4" x 1.5" x 7" (112 x 37.6 x 178 mm)
(w/o knobs & connectors)

Weight (Approx.): 2.9 lb. (1.3 kg)

Transmitter

RF Power Output: 50/20/5 W (2 m)
40/20/5 W (70 cm)

Modulation Type: Variable Reactance

Spurious Radiation: At least ± 60 dB below

Microphone Impedance: 2 k ohms

Receiver

Circuit Type: FM / AM: Double-Conversion Super heterodyne
WFM: Triple-Conversion Super heterodyne
AM / FM Radio: Single-Conversion Super heterodyne

Intermediate Frequencies: FM / AM: 1st: 47.25 MHz, 2nd: 450 kHz
WFM: 1st: 45.8 MHz, 2nd: 10.7MHz, 3rd: 1MHz
FM Radio: 130 kHz, AM Radio: 50 kHz

Sensitivity: 5 μ V TYP for 10 dB SN (0.5-1.7 MHz, AM)
2 μ V TYP for 12 dB SINAD (76-108 MHz, WFM)

0.8 μ V TYP for 10 dB SN (108-137 MHz, AM)
 0.2 μ V for 12 dB SINAD (137-140 MHz, FM)
 0.2 μ V for 12 dB SINAD (140-150 MHz, FM)
 0.25 μ V for 12 dB SINAD (150-174 MHz, FM)
 1 μ V TYP for 12 dB SINAD (174-222 MHz, WFM)
 0.8 μ V TYP for 10 dB SN (300-336 MHz, AM)
 0.25 μ V TYP for 12 dB SINAD (336-420 MHz, FM)
 0.2 μ V for 12 dB SINAD (420-470 MHz, FM)
 5 μ V TYP for 12 dB SINAD (470-540 MHz, WFM)
 5 μ V TYP for 12 dB SINAD (540-800 MHz, WFM)
 0.4 μ V TYP for 12 dB SINAD (800-899.99 MHz, FM)
 0.8 μ V TYP for 12 dB SINAD (900 - 999.99 MHz, FM)

*USA Version Cellular Blocked

Squelch Sensitivity: Better than 0.16 μ V (Amateur Band)

Selectivity : NFM, AM 12 kHz / 30 kHz (\approx 6 dB / \approx 60 dB)

AF Output: 8 W @ 4 Ohm for 10 % THD (@ 13.8 V) BTL EXP SP
 4 W @ 4 Ohm for 10 % THD (@ 13.8 V) Normal EXP SP/CH

AF Output Impedance: 4-16 ohms